



## CONNECTOR FOR HIGH CAPACITY SMART CARDS

### ABSTRACT OF THE DISCLOSURE

A smart card connector that includes an insulative support (52) with a card-supporting face (62), and a sheet metal cover (54) mounted on the support to form  
5 a card-receiving cavity (58) between the support and cover, for receiving SD and  
MICROSIM smart cards. A card-detecting switch blade (144) is mounted at one  
side of the support and has a blade part (150) that projects into the path of the card  
so the card deflects the blade against a side (116) of the sheet metal cover to close  
a circuit. The cover can be mounted on the support by sliding the cover rearwardly  
10 until projections (121, 123) at the front end of the cover each snaps into a notch  
(127, 129) near the front end of the support. The connector contacts have tails  
(104) for soldering to traces on a circuit board CB, the tails lying at a rear edge (84)  
of the support and the cover having tabs (132, 134) at the front end of the cover.  
The tails and tabs are soldered to traces on the circuit board (CB) for balanced  
15 hold-down of the connector to the circuit board. A stop molded into the support,  
prevents upside-down insertion of an SD card before it can damage the contacts.